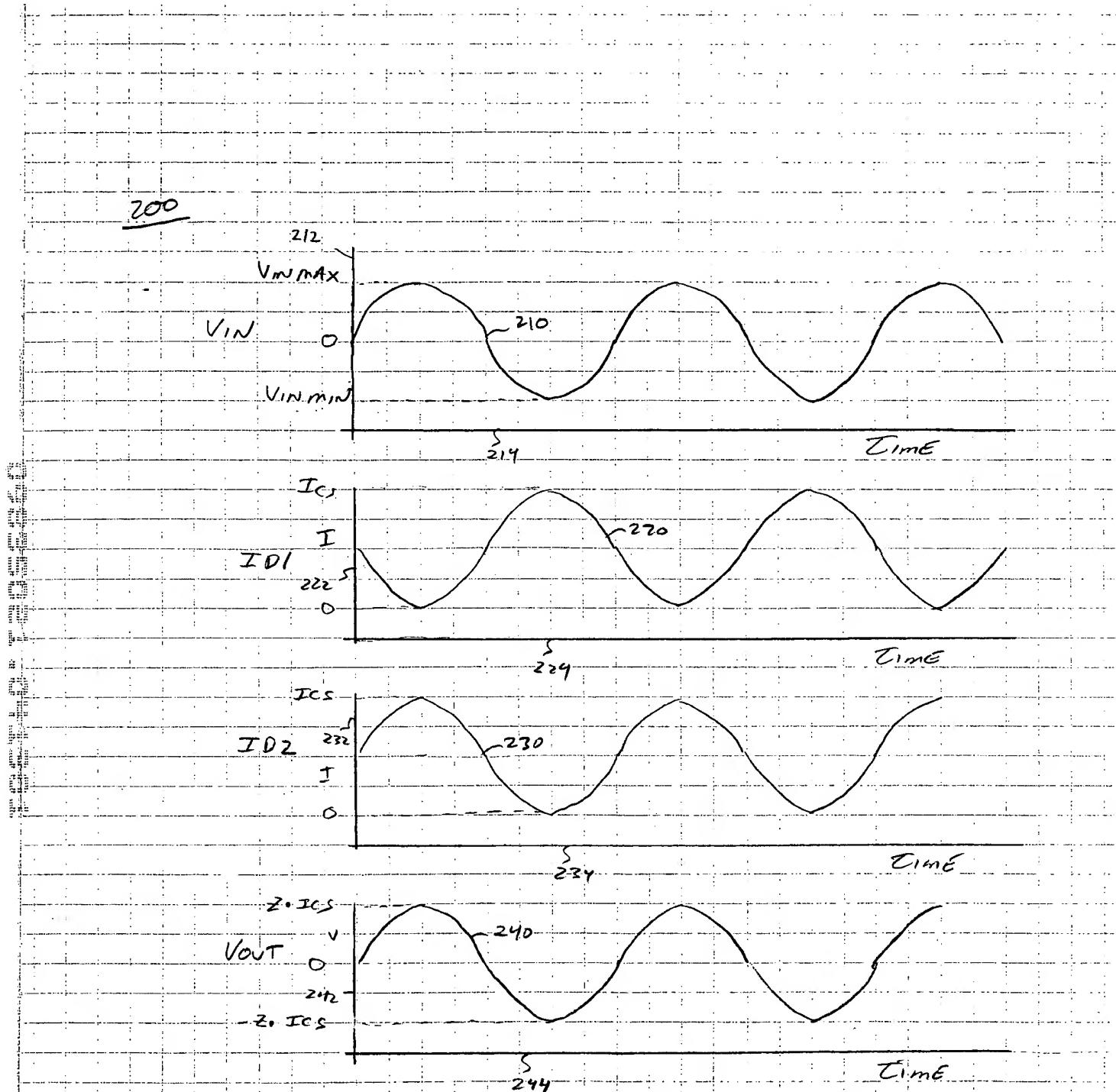


PRIOR ART

Figure 1



FOR OUTPUT SWING = $2 \cdot Z \cdot I_{cs}$

$$\text{POWER} = V_{DD} \cdot I_{CS}$$

PRIOR ART

FIGURE 2

300

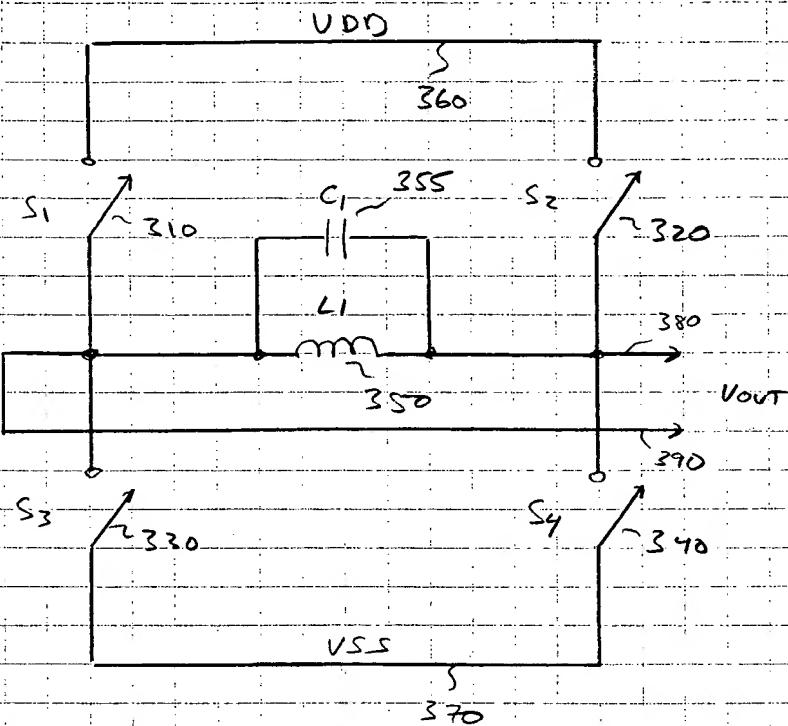


FIGURE 3

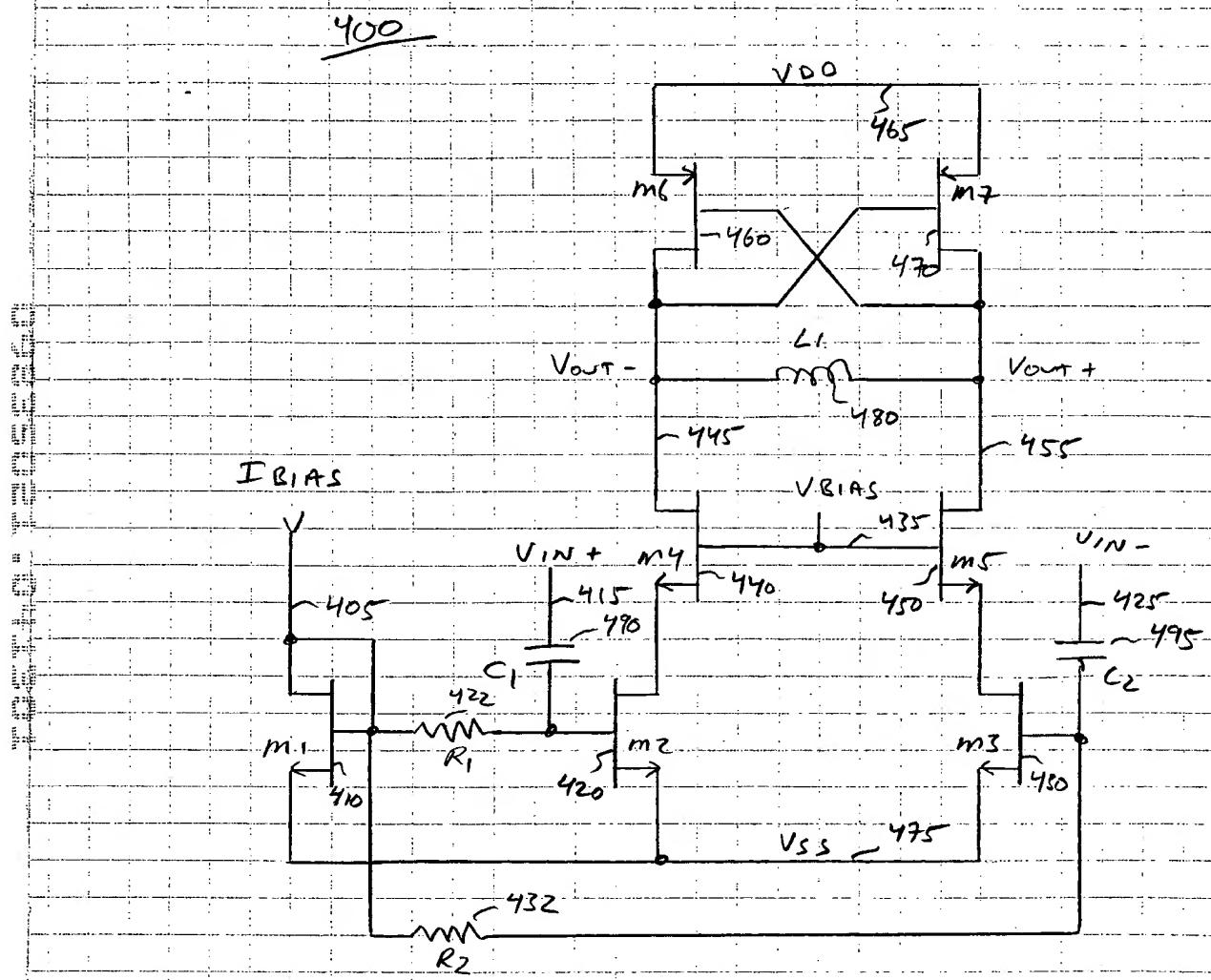


FIGURE 4

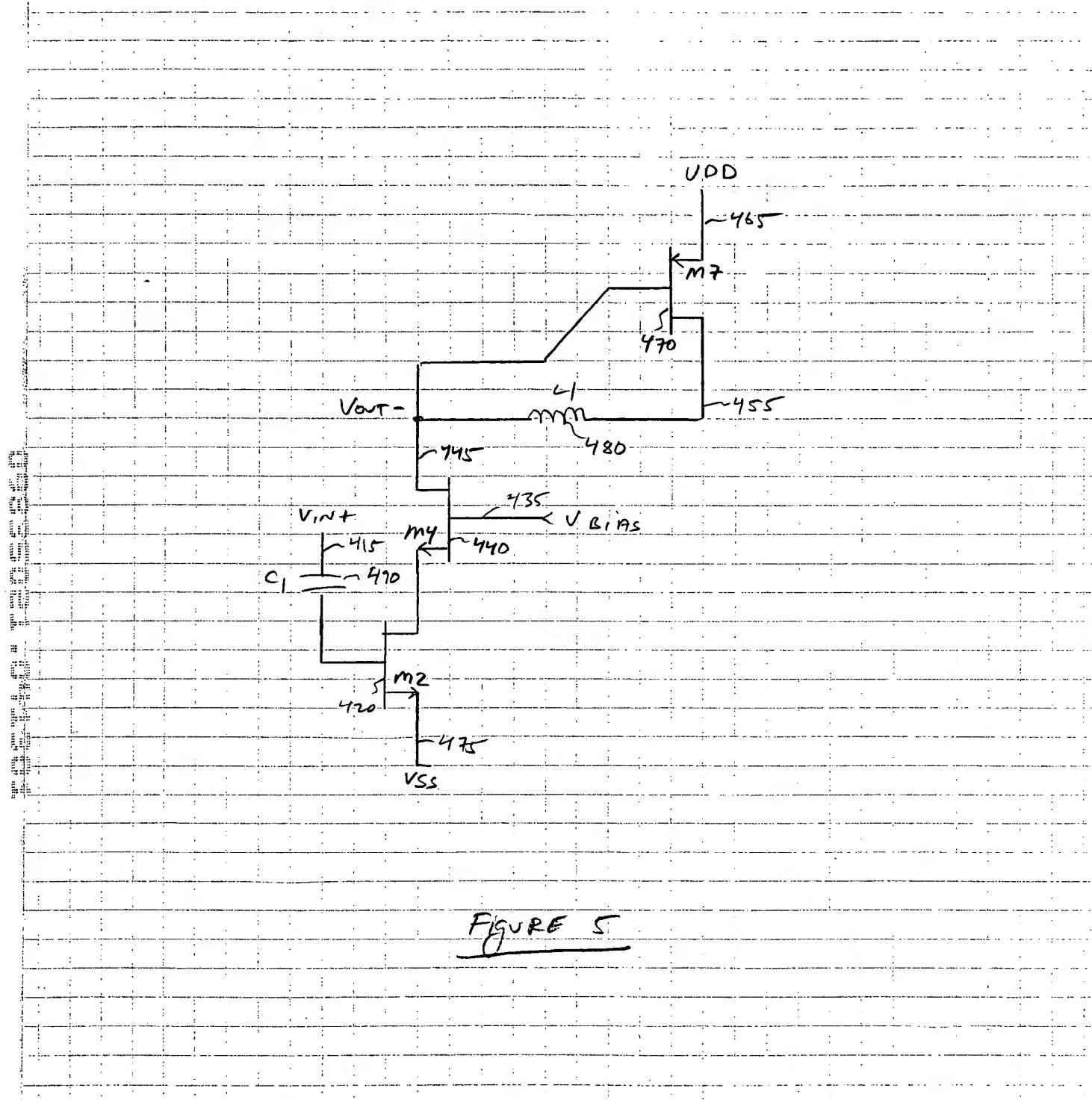
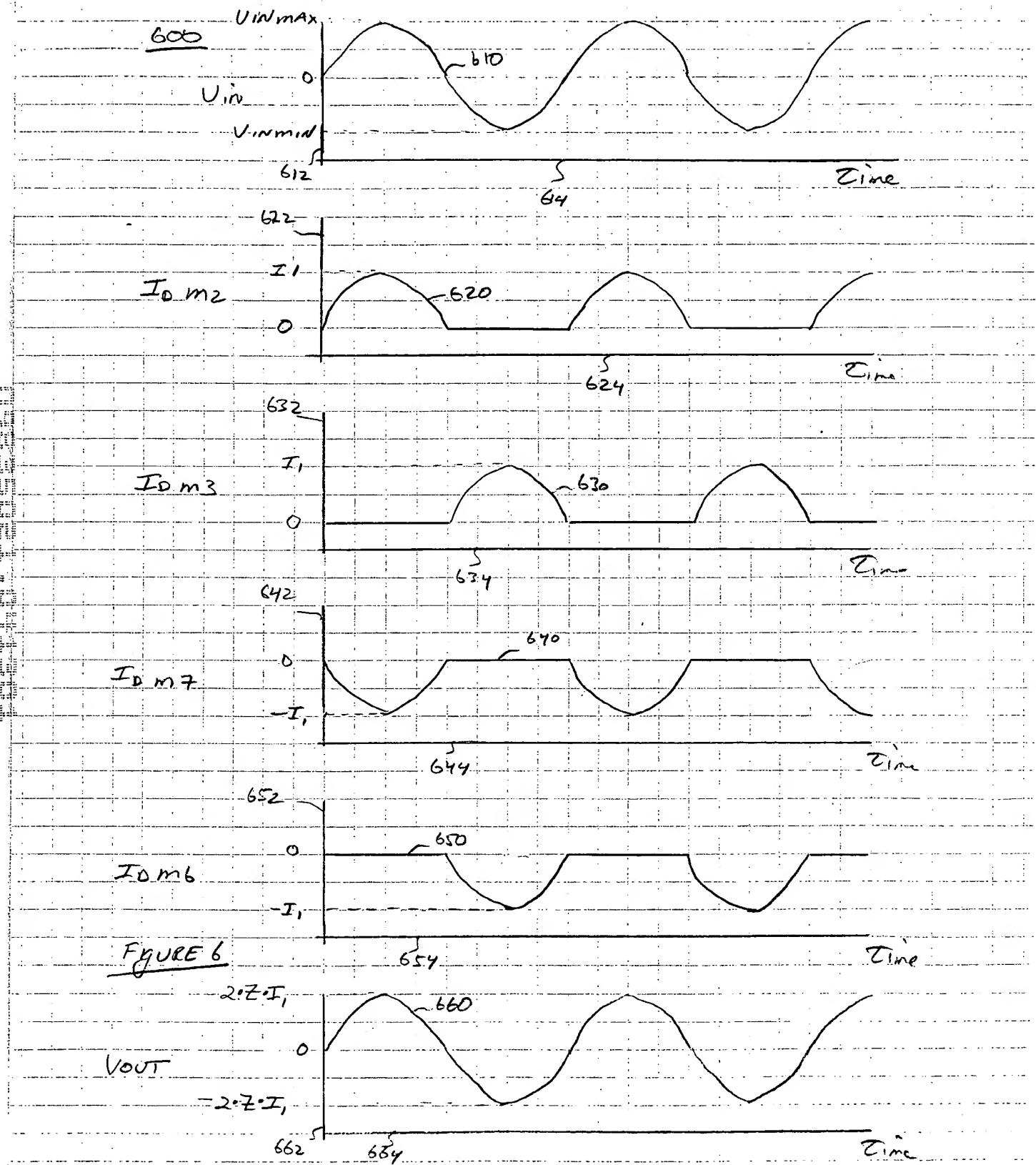


FIGURE 5



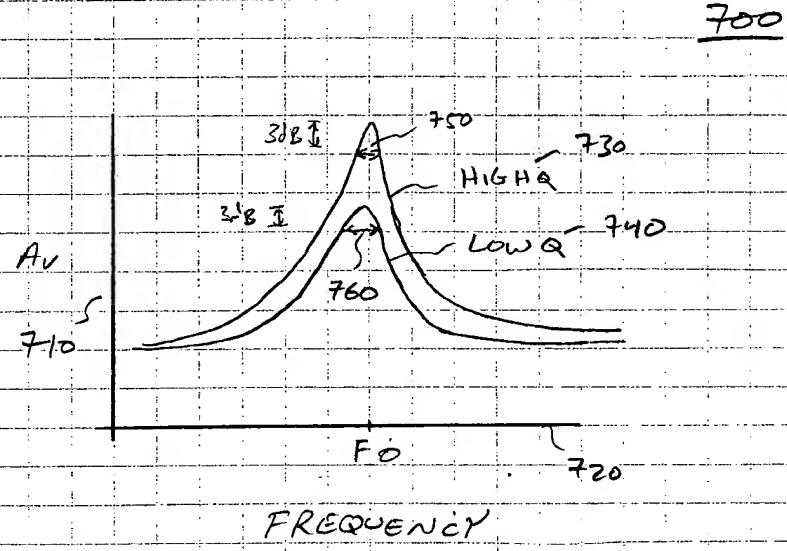


FIGURE 7

800

RECEIVING INPUT SIGNAL
ALTERNATING BETWEEN POSITIVE
AND NEGATIVE VALUES

-810

GENERATE FIRST CURRENT
PROPORTIONAL TO INPUT SIGNAL
WHEN POSITIVE, AND ZERO
WHEN NEGATIVE

-820

GENERATE SECOND CURRENT
PROPORTIONAL TO INPUT SIGNAL
WHEN NEGATIVE, AND ZERO
WHEN POSITIVE

-830

GENERATE THIRD CURRENT
PROPORTIONAL TO FIRST
CURRENT

-840

GENERATE FOURTH CURRENT
PROPORTIONAL TO SECOND
CURRENT

-850

APPLY FIRST AND FOURTH
CURRENT TO FIRST TERMINAL
OF INDUCTOR

-860

APPLY SECOND AND THIRD
CURRENT TO SECOND TERMINAL
OF INDUCTOR

-870

FIGURE 8

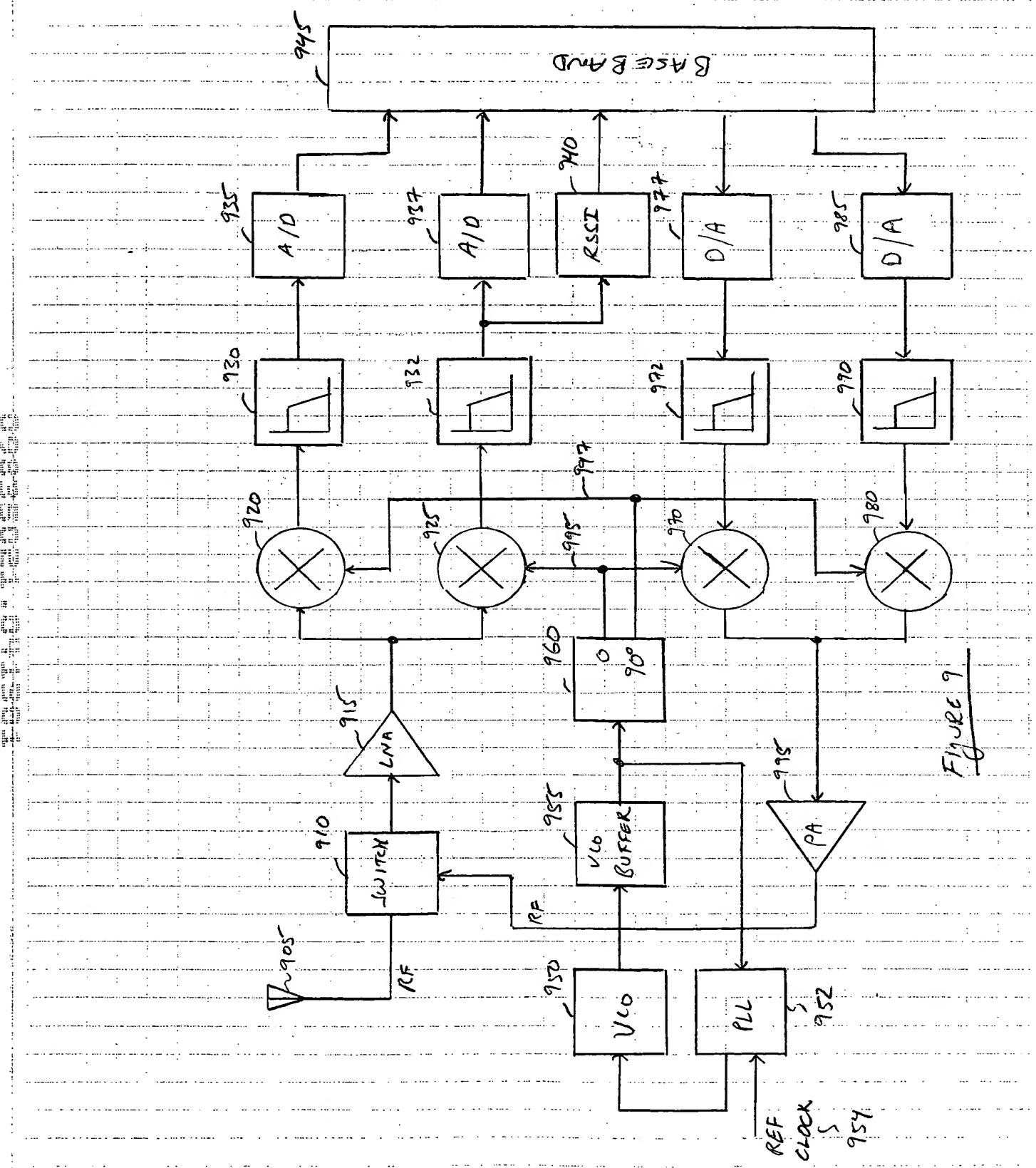


Figure 9

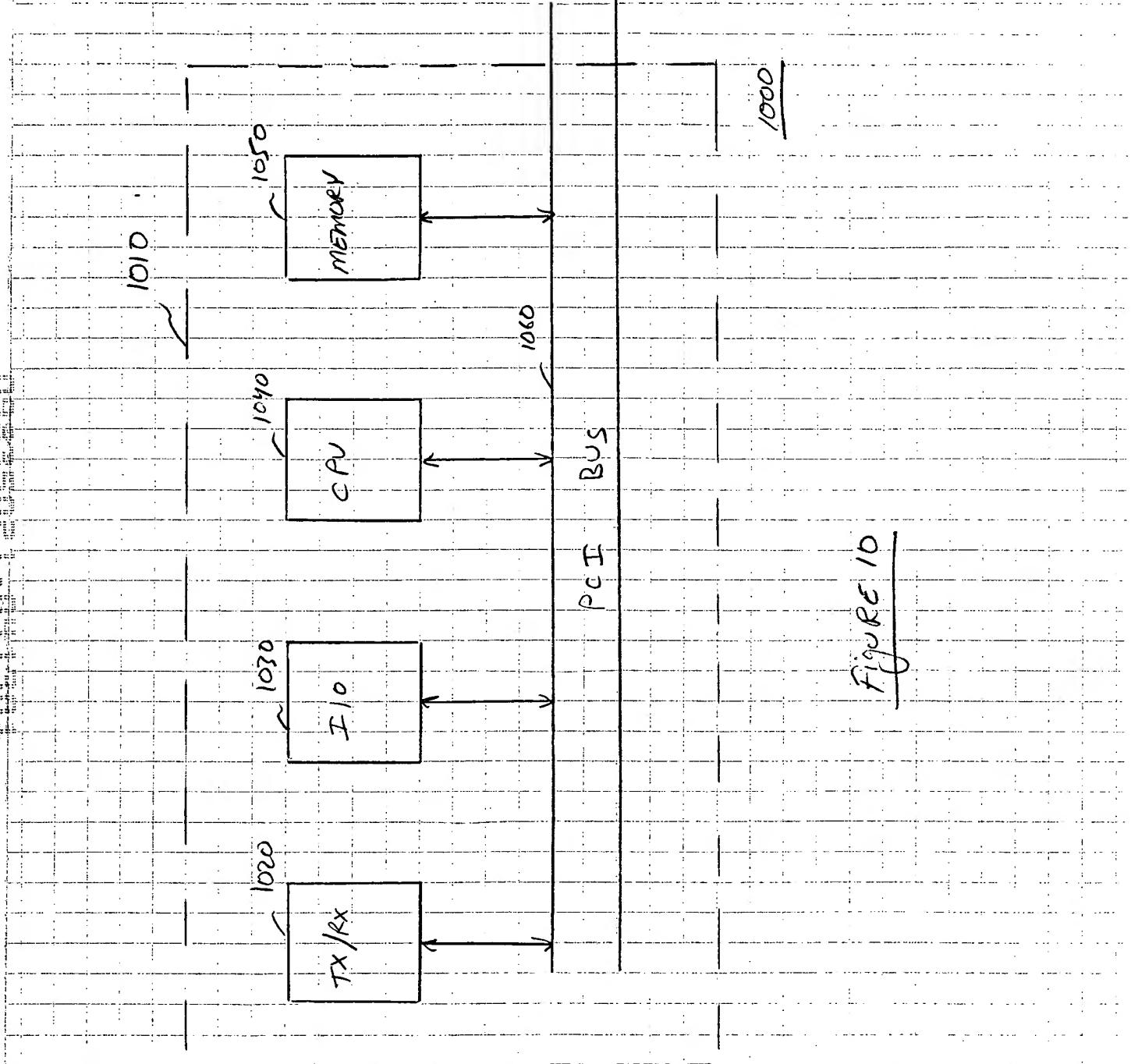


Figure 10